

WHAT IS CLAIMED IS:

112 and

1. A data delivery method, comprising:
 providing a purchaser rewritable record medium (for storing primary data and additional data including purchaser inherent data, purchase data and accounting data;
 recording historical data representing a history of the additional data in both of a computer of a data deliverer and the purchaser rewritable record medium, respectively;
 delivering the primary data, which is requested by a purchaser, from the computer of the data deliverer to the purchaser rewritable record medium when the historical data recorded in the computer of the data deliverer is matched with the historical data recorded in the purchaser rewritable record medium; and
performing an accounting operation.

2. The purchaser rewritable record medium according to claim 1,
 comprising:

a primary data area in which the primary data is recorded; and
 an additional data area in which the additional data is recorded.

3. A data delivery method of delivering primary data, which is requested by a purchaser, from a data deliverer to the purchaser through a communication network, comprising:

providing a purchaser rewritable record medium for storing primary data and additional data including purchaser inherent data, purchase history data representing a history of purchase of the primary data to be purchased by the purchaser, and accounting data;

reading the additional data, which is recorded in the purchaser record medium, by a computer of the purchaser;

transmitting the read additional data to a computer of the data deliverer, on which data management is performed in such a manner as to prevent the purchaser from writing data thereto;

retrieving data, which corresponds to the transmitted additional data, from original data recorded in the computer of the data deliverer;

collating the retrieved corresponding data with the transmitted additional data;

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stopping delivery of the primary data if the transmitted additional data and the retrieved corresponding data are not matched;

whereas if matched, performing an accounting operation on the primary data which the purchaser requests;

5 and only if a result of the accounting operation indicates that the accounting data recorded in the purchaser record medium is not negative, delivering the primary data requested by the purchaser and the additional data, which corresponds to the requested primary data and includes two kinds of data that are purchase history data to be added owing to the purchase of the requested primary data and accounting data resulting from the accounting operation, from the computer of the data deliverer to the computer of the purchaser;

11 performing additional recording of the delivered primary data, which is requested by the purchaser, and additional data relating to the delivered primary data; and

15 performing additional recording of data, which is the same as the delivered primary data and the additional data relating to the delivered primary data, to the computer of the data deliverer.

4. The purchaser rewritable record medium according to claim 3, comprising:

20 a primary data area in which the primary data is recorded; and an additional data area in which the additional data is recorded.--

⑤ A data delivery method of delivering primary data, which is requested by a purchaser who has visited a shop, from a data deliverer to the purchaser through a communication network, comprising:

25 providing a purchaser rewritable record medium for storing primary data and additional data including purchaser inherent data, purchase history data representing a history of purchase of the primary data to be purchased by the purchaser, and accounting data;

30 reading the additional data, which is recorded in the purchaser record medium, by a computer of the shop;

transmitting the read additional data to a computer of the data deliverer;

performing data management to prevent the purchaser from writing data to the computer of the data deliverer;

retrieving data, which corresponds to the transmitted additional data, from original data recorded in the computer of the data deliverer;

5 collating the retrieved corresponding data with the additional data;

either case
stopping delivery of the primary data if the transmitted additional data and the retrieved corresponding data are not matched;

whereas if matched, performing an accounting operation on the primary data which the purchaser requests;

10 and only if a result of the accounting operation indicates that the accounting data recorded in the purchaser record medium is not negative, delivering the primary data requested by the purchaser and the additional data, which corresponds to the requested primary data and includes two kinds of data that are purchase history data to be added owing to the purchase of the requested primary data and accounting data resulting from the accounting operation, from the data deliverer to the computer of the shop;

performing additional recording of the delivered primary data, which is requested by the purchaser, and additional data relating to the delivered primary data; and

20 performing additional recording of data, which is the same as the delivered primary data and the additional data relating to the delivered primary data, to the computer of the data deliverer.

6. The data delivery method according to claim 5, further comprising: transmitting a predetermined amount of money from the computer of the data deliverer to the purchaser record medium by inputting data representing the predetermined amount of money to the additional data of the purchaser record medium when the purchaser meets service offering conditions of the data deliverer so as to offer services from the data deliverer; and

30 recording the data representing the predetermined amount of money in the computer of the data deliverer.

7. The data delivery method according to claim 5, wherein data management is performed by the computer of the data deliverer by using an

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"based upon" 25
"if then"

authentication function in such a manner that the purchaser cannot write data thereinto.

8. The data delivery method according to claim 5, wherein the purchaser inherent data includes data representing an age of the purchaser, wherein, in a case that an age limit is imposed to primary data to be purchased, the method further includes:

collating a limiting age with the age of the purchaser when collating the retrieved corresponding data with the additional data,

wherein if the age of the purchaser is outside a permissible range in a case of the imposed age limit, stopping delivery of the primary data.

9. The data delivery method according to claim 5, wherein the purchase history data includes data representing a title of the primary data, a price of the primary data, a name of a shop that has sold the primary data, a date and time at which the primary data is purchased, and a number of a write machine.

10. The data delivery method according to claim 5, wherein the purchaser inherent data includes data representing an identification number, a password, a date of a purchaser birth, and a distinction of sex.

11. The data delivery method according to claim 5, wherein the accounting data includes data representing a date of accounting, an amount of deposited money, an amount of paid money, a balance, and a name of a shop that has accounted.

12. The purchaser rewritable record medium according to claim 5, comprising:

a primary data area in which the primary data is recorded; and
an additional data area in which the additional data is recorded.

13.

A data delivery system, comprising:

a computer of a data deliverer for delivering primary data;

a computer of a shop receiving the primary data delivered from the computer of the data deliverer through a communication network;

a purchaser record medium that is owned by a purchaser for recording primary data purchased by a purchaser and additional data including purchaser inherent data, purchase history data representing a history of purchase of the primary data, and accounting data, therein and that is adapted to be able to rewrite the primary data and the additional data;

data-deliverer-side recording means for recording data, which is identical to the additional data to be recorded in the purchaser record medium, as original data therein;

regulating means for imposing a restriction on an operation of rewriting of the original data, which is recorded in the data-deliverer-side recording means by the purchaser;

collating means for retrieving the original data, which corresponds to the additional data recorded in the purchaser record medium, from the data-deliverer-side recording means, for collating the original data, which is recorded in the data-deliverer-side recording means, with the additional data which is recorded in the purchaser record medium and is sent from the computer of the shop to the computer of the data deliverer through the network, for continuing delivery of the primary data if matched, and for stopping delivery of the primary data if not matched; and

control means for performing an accounting operation, which relates to the primary data to be purchased by the purchaser, when continuing the operation of delivering the primary data according to a result of the collation performed by the collating means, for recording the primary data, which is delivered from the computer of the data deliverer to the computer of the shop through the network, in the purchaser record medium, and for recording the additional data, which includes the purchase history data and the accounting data to be related to the primary data purchased by the purchaser and to be added when purchasing the primary data, in the purchaser record medium and in the data-deliverer-side recording means,

wherein the data-deliverer-side recording means, regulating means, collating means and control means are provided in the computer of the data deliverer.

14. The record medium according to claim 13, comprising:

a primary data area in which the primary data is recorded; and
an additional data area in which the additional data is recorded.

15. A method of delivering a product, which is requested by a purchaser, from a deliverer to the purchaser, comprising:

providing a purchaser rewritable record medium for storing purchaser inherent data, purchase history data representing a history of purchase of the product to be purchased by the purchaser, and accounting data;

reading the purchaser inherent data, the purchase history data, and the accounting data, which is recorded in the purchaser record medium, by a computer of a device associated with the deliverer;

5 transmitting the read purchaser inherent data, the purchase history data, and the accounting data to a computer of the deliverer, on which data management is performed in such a manner as to prevent the purchaser from writing data thereto;

retrieving data, which corresponds to the transmitted purchaser inherent data, the purchase history data and the accounting data, from original data recorded in the computer of the deliverer;

10 collating the retrieved corresponding data with the transmitted purchaser inherent data, the purchase history data, and the accounting data;

stopping delivery of the product if the transmitted purchaser inherent data, the purchase history data, the accounting data and the retrieved corresponding data are not matched;

15 whereas if matched, performing an accounting operation on the product which the purchaser requests;

and only if a result of the accounting operation indicates that the accounting data recorded in the purchaser record medium is not negative, delivering the product requested by the purchaser to the purchaser and delivering additional
20 purchase history data to be added owing to the purchase of the requested product and additional accounting data resulting from the accounting operation, from the computer of the deliverer to purchaser rewritable record medium;

performing recording of the additional purchase history data and the additional accounting data to the purchaser rewritable record medium; and

25 performing recording of the additional purchase history data and the additional accounting data to the computer of the data deliverer.

16. The method according to claim 15, wherein the product is at least one of data, a good, and a service.

30 17. The method according to claim 15, further comprising: transmitting a predetermined amount of money from the computer of the deliverer to the purchaser record medium by inputting data representing the predetermined amount of money to the additional data of the purchaser record medium when the purchaser meets service offering conditions of the deliverer so as to offer services from the deliverer; and

recording the data representing the predetermined amount of money in the computer of the deliverer.

18. The method according to claim 15, wherein data management is performed by the computer of the deliverer by using an authentication function in such a manner that the purchaser cannot write data thereinto.

19. The method according to claim 15, wherein the purchaser inherent data includes data representing an age of the purchaser, wherein, in a case that an age limit is imposed to the product to be purchased, the method further includes:

collating a limiting age with the age of the purchaser when collating the retrieved corresponding data with the additional data,

wherein if the age of the purchaser is outside a permissible range in a case of the imposed age limit, stopping delivery of the product.

20. The method according to claim 15, wherein the purchase history data includes data representing a title of the product, a price of the product, a name of a shop that has sold the product, a date and time at which the product is purchased, and a number of a write machine.

21. The method according to claim 15, wherein the purchaser inherent data includes data representing an identification number, a password, a date of a purchaser birth, and a distinction of sex.

22. The method according to claim 15, wherein the accounting data includes data representing a date of accounting, an amount of deposited money, an amount of paid money, a balance, and a name of a shop that has accounted.

23. The purchaser rewritable record medium according to claim 15, comprising:

a primary data area in which the primary data is recorded; and
an additional data area in which the additional data is recorded.

24. A product delivery system, comprising:

a computer of a deliverer;

a computer of a device associated with the deliverer;

a purchaser record medium that is owned by a purchaser for recording data including purchaser inherent data, purchase history data representing a history of purchase of the product, and accounting data, therein and that is adapted to be able to rewrite the data;

deliverer-side recording means for recording data, which is identical to the additional data to be recorded in the purchaser record medium, as original data therein;

regulating means for imposing a restriction on an operation of rewriting of the original data, which is recorded in the deliverer-side recording means by the purchaser;

collating means for retrieving the original data, which corresponds to the additional data recorded in the purchaser record medium, from the deliverer-side recording means, for collating the original data, which is recorded in the deliverer-side recording means, with the additional data which is recorded in the purchaser record medium and is sent from the computer of the device associated with the deliverer to the computer of the deliverer through a communications network, for continuing delivery of the product if matched, and for stopping delivery of the product if not matched; and

control means for performing an accounting operation, which relates to the product to be purchased by the purchaser, when continuing the operation of delivering the product according to a result of the collation performed by the collating means, and for recording the additional data, which includes the purchase history data and the accounting data to be related to the product purchased by the purchaser and to be added when purchasing the product, in the purchaser record medium and in the deliverer-side recording means,

wherein the deliverer-side recording means, regulating means, collating means and control means are provided in the computer of the deliverer.

25. The system according to claim 24, wherein the product is at least one of primary data, a good, and a service.

26. A data delivery method of delivering primary data, which is requested by a purchaser who has visited a shop, from a data deliverer to the purchaser through a communication network, comprising:

providing a purchaser rewritable record medium (for storing data) including purchaser inherent data, purchase history data representing a history of purchase of the primary data to be purchased by the purchaser, and accounting data;

reading the purchaser inherent data, the purchase history data, and the accounting data, which is recorded in the purchaser record medium, by a computer of the shop;

5 transmitting the read purchaser inherent data, the purchase history data, and the accounting data to a computer of the data deliverer;

performing data management to prevent the purchaser from writing data to the computer of the data deliverer;

10 retrieving data, which corresponds to the transmitted purchaser inherent data, the purchase history data, and the accounting data, from original data recorded in the computer of the data deliverer;

collating the retrieved corresponding data with the transmitted purchaser inherent data, the purchase history data, and the accounting data;

15 stopping delivery of the primary data if the transmitted purchaser inherent data, the purchase history data, and the accounting data and the retrieved corresponding data are not matched;

whereas if matched, performing an accounting operation on the primary data which the purchaser requests;

20 and only if a result of the accounting operation indicates that the accounting data recorded in the purchaser record medium is not negative, delivering the primary data requested by the purchaser and additional purchase history data to be added owing to the purchase of the requested primary data and additional accounting data resulting from the accounting operation, from the data deliverer to the computer of the shop;

25 performing recording of the additional purchase history data and the additional accounting data to the purchaser rewritable record medium; and

performing recording of the additional purchase history data and the additional accounting data to the computer of the data deliverer.

30 (27.) A data delivery method of delivering primary data, which is requested by a purchaser, from a data deliverer to the purchaser through a communication network, comprising:

providing a purchaser rewritable record medium for storing data including purchaser inherent data, purchase history data representing a history of purchase of the primary data to be purchased by the purchaser, and accounting data;

reading the purchaser inherent data, the purchase history data, and the accounting data, which is recorded in the purchaser record medium, by a computer of the purchaser;

5 transmitting the read purchaser inherent data, the purchase history data, and the accounting data to a computer of the data deliverer;

performing data management to prevent the purchaser from writing data to the computer of the data deliverer;

10 retrieving data, which corresponds to the transmitted purchaser inherent data, the purchase history data, and the accounting data, from original data recorded in the computer of the data deliverer;

collating the retrieved corresponding data with the transmitted purchaser inherent data, the purchase history data, and the accounting data;

15 stopping delivery of the primary data if the transmitted purchaser inherent data, the purchase history data, and the accounting data and the retrieved corresponding data are not matched;

whereas if matched, performing an accounting operation on the primary data which the purchaser requests;

20 and only if a result of the accounting operation indicates that the accounting data recorded in the purchaser record medium is not negative, delivering the primary data requested by the purchaser and additional purchase history data to be added owing to the purchase of the requested primary data and additional accounting data resulting from the accounting operation, from the data deliverer to the computer of the purchaser;

25 performing recording of the additional purchase history data and the additional accounting data to the purchaser rewritable record medium; and

performing recording of the additional purchase history data and the additional accounting data to the computer of the data deliverer.